

Claims

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1. A two-part hinge closure (3), consisting of a lower part (1), which can be placed on a container and has a circumferential casing wall (10) and a cap (2), which can be connected with it by means of a movable hinge and has a casing wall, wherein both parts are made separately of each other and can be assembled together, and wherein furthermore in the assembled, closed state the casing walls (10, 20) of both hinge closure parts (1, 2) extend flush above each other, characterized in that the two parts (1, 2) can be connected with each other by a snap hinge, consisting of at least one spring element (24, 124, 204) and at least one coupling element (27, 127, 270), wherein in the closed state of the closure (3) the at least one spring element (24, 124, 204) and the at least one coupling element (27, 127, 270) are at least approximately flush with the casing wall (10, 20) of the closure part (1, 2) on which they have been formed in one piece.
2. The two-part hinge closure in accordance with claim 1, characterized in that the lower part (1) has at least one pouring spout (12) or pouring opening, and the cap (2) is provided with a sealing element (33), which sealingly acts together with the at least one pouring spout or pouring opening in an interlocking manner.
3. The two-part hinge closure in accordance with claim 1, characterized in that the at least one spring element consists of two strap retainers (24), wherein the ends of the strap retainers

(24), which project away from the closure part on which they have been injection-molded, are connected with each other via the coupling element (27).

4. The two-part hinge closure in accordance with claim 1, characterized in that the at least one spring element (124, 204) includes a snap hinge (101, 200), which is bordered by two curved film hinges, which approach each other in their course and then move away again, wherein the one film hinge (125, 202) constitutes the connection with the closure part (2), to which the spring element has been injection-molded, and the other film hinge (126, 204) constitutes the connection with the coupling element (127, 270).

5. The two-part hinge closure in accordance with claim 4, characterized in that the spring element (124) which includes the snap hinge (101) is a flexible material strip (100), on whose extension the coupling element (127) is formed.

6. The two-part hinge closure in accordance with claim 5, characterized in that a concentric receiving slit (16), which is offset toward the center by the thickness of the casing, is provided on the closure part (1, 2), in which the coupling element, which is fixedly connected with the other closure part (1, 2) is received in an interlocking and/or frictionally connected manner.

7. The two-part hinge closure in accordance with claim 6, characterized in that the closure part (1, 2) with the receiving

slit (16) in the casing wall has at least one recess (14), which secures the free mobility of the at least one spring element (24, 124) during the opening and closing movement.

8. The two-part hinge closure in accordance with claim 5, characterized in that at least one rib (128), which can be connected in a snapped-in fashion with ribs (122) of the same kind on the other closure part, is provided on that coupling element (127) which is connected in one piece with the closure part (1, 2).

9. The two-part hinge closure in accordance with claim 1, characterized in that a security strip (4) is also injection-molded to that closure part (1, 2) on which the at least one spring element (24, 124) and the coupling element (27, 127) are arranged.

10. The two-part hinge closure in accordance with claim 9, characterized in that the coupling element (27, 127) and the security strip (4) extend at least by the same amount above the casing wall edge of the closure part (1, 2) on which they are arranged.

11. The two-part hinge closure in accordance with claim 5, characterized in that on one closure part the circumferential casing wall (10, 20) has a recess (120) which has at least the shape and size of the material strip (100) which has been injection-molded on the other closure part.

12. The two-part hinge closure in accordance with claim 1, characterized in that a security strip (4) is arranged on one closure part (1, 2), which extends around the closure (3) as far as the hinge area.

13. The two-part hinge closure in accordance with claim 1, characterized in that the security strip (400) is arranged on each closure part (1) which is free of the spring element (204) and the coupling element (270) and is at least approximately completely circumferential.

14. The two-part hinge closure in accordance with claim 1, characterized in that the two closure parts (1, 2) are injection molded from different plastic material and/or in different colors.

15. The two-part hinge closure in accordance with claim 14, characterized in that at least one closure part (1, 2) is made of PET.

16. The two-part hinge closure in accordance with claim 1, characterized in that the coupling element (27, 127, 270) is designed in such a way that in the assembled state it constitutes a part of the casing wall (10) on the closure part on which it can be assembled.

17. The two-part hinge closure in accordance with claim 1, characterized in that a pressing element (19) is arranged on one closure part which, in the assembled state keeps the coupling element (27, 127) on the other closure part frictionally connected

with retaining projections (19') of the first-mentioned closure element.

18. The two-part hinge closure in accordance with claim 4, characterized in that the spring element (204) is arranged between the cap (2) and a ring-shaped coupling element (27=), which is formed flush on the casing wall (20) via a tear seam (271).

19. The two-part hinge closure in accordance with claim 18, characterized in that in the upper area (211) the casing wall (10) has a shoulder (212), which is offset inward by the thickness of the casing wall.

20. The two-part hinge closure in accordance with claim 19, characterized in that the security strip (400) is formed via a predetermined breaking seam (401) in the area of the shoulder (212).

21. The two-part hinge closure in accordance with claims 18 and 19, characterized in that the upper area (210) of the casing wall (20) is provided with retaining notches (211) and the coupling element (270) is provided with retaining beads (206) which interlockingly fit into the retaining notches.

22. The two-part hinge closure in accordance with claim 20, characterized in that the security strip (400) has a retaining lip (402), which interlockingly extends over a portion of the cap (2).

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23. The two-part hinge closure in accordance with claim 22, characterized in that the cap (2) has a pressure bead (205) on the lower edge of the casing wall (20), which is interlockingly held by the retaining lip (402).